

Amendments to the Claims

Kindly amend the claims as follows:

1-2 (canceled)

3. (previously presented) A chimeric protein heterodimer complex, wherein a chimeric protein comprises an α chain • immunoglobulin heavy chain- β chain • immunoglobulin heavy chain chimeric protein heterodimer complex, wherein a chimeric protein comprising the α chain of an integrin and the heavy chain of an immunoglobulin and a chimeric protein comprising the β chain of the integrin and the heavy chain of the immunoglobulin are bound to each other by a disulfide bond between the heavy chains and stably associated with its function retained, and wherein the α chain of an integrin is $\alpha 4$ or $\alpha 2$ and the β chain is $\beta 1$.

4-6 (canceled)

7. (currently amended) A chimeric protein heterodimer complex, according to claim 3, wherein the chimeric protein comprising the $\alpha 4$ of said integrin and the heavy chain of said immunoglobulin comprises the amino acid sequence of encoded by SEQ ID NO:1.

8. (currently amended) A chimeric protein heterodimer complex, according to claim 3, wherein the chimeric protein comprising the $\alpha 2$ of said integrin and the heavy chain of said immunoglobulin comprises the amino acid sequence of encoded by SEQ ID NO:19.

9. (currently amended) A chimeric protein heterodimer complex according to claim 3, wherein the chimeric protein comprising the $\beta 1$ of said integrin and the heavy chain of said immunoglobulin comprises the amino acid sequence of encoded by SEQ ID NO:2.

10-24 (canceled)

25. (previously presented) A drug composition, comprising a chimeric protein heterodimer complex of in claim 3.

26-49 (canceled)

50. (previously "presented) A chimeric protein heterodimer complex according to claim 3, wherein the α chain of said integrin and the β chain of said integrin are polypeptides derived from an extracellular portion, and wherein the heavy chain of said immunoglobulin is connected to a C terminus of both the α chain and the β chain of said integrin.

51 (canceled)

52. (previously presented) The chimeric protein heterodimer complex, according to claim 3, wherein the α chain is $\alpha 2$.